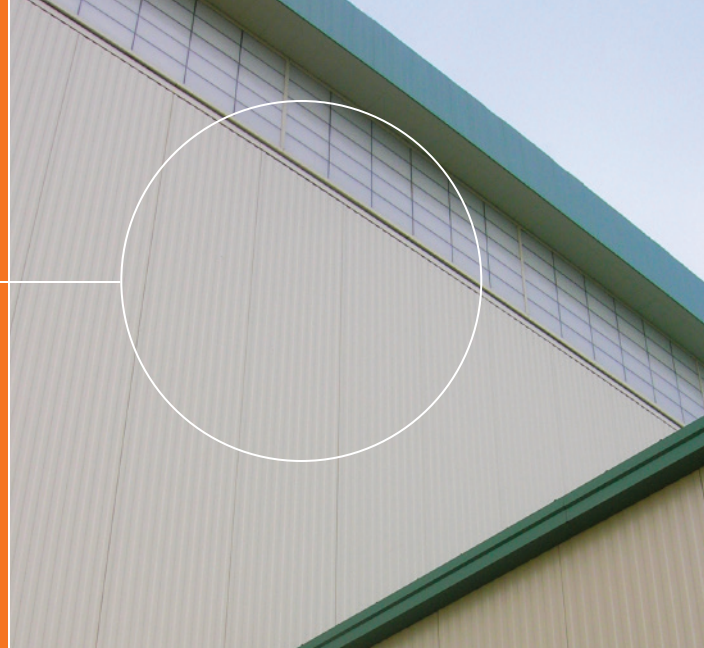


# MESA & LIGHT MESA

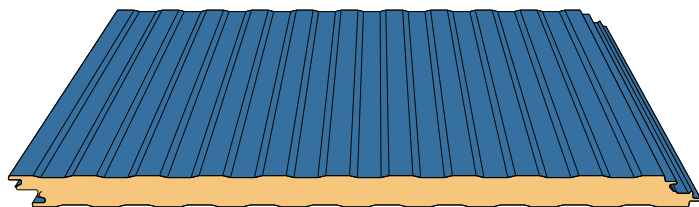


The **Mesa & Light Mesa** insulated metal wall panels are well suited for exterior wall and interior partition applications. The lightly corrugated profile on both faces of the panel ensures symmetry from outside the building to inside, and from room to room in partition applications. An aesthetically pleasing Mesa pattern is embossed on both interior and exterior skins.

Mesa panels have a standard FM Approved Class 1 foam core and offer excellent insulating values. The metal and foam composite construction creates a rigid panel far stronger than the individual parts. This increases the span capability of the panel and reduces the need for secondary structural components.

## FEATURES AND BENEFITS

- Panels are lightweight and quick to install, significantly reducing construction time.
- A double tongue-and-groove offset side joint permits concealed fastening.
- Consistent insulating values are achieved with built-in thermal breaks, saving energy.



36" & 42"; Ceiling and Partition Panel Only: 44-1/2"



2", 2-1/2", 2-3/4", 3", 4", 5", 6"

## USES AND APPLICATIONS

In new and retrofit construction, Mesa panels function as walls for all types of architectural, commercial and industrial applications.

They are ideally suited for:

### ARCHITECTURAL

- Airport Terminal Buildings
- Arenas
- Convention Centers
- Hospitals
- Low and Mid-Rise Offices
- Mid-Rise Office Spandrel Panels
- Performing Arts Centers
- Schools & Universities
- Worship Facilities

### COMMERCIAL & INDUSTRIAL

- Distribution Centers
- Equipment Maintenance Buildings
- Hangars
- Manufacturing Facilities
- Retail Buildings
- Self-Storage Complexes
- Utility Buildings
- Warehouses

### COLD STORAGE

- Cooler Buildings
- Freezers
- Food Processing Buildings
- Dry Goods Warehouses
- All Controlled Environment Buildings where temperature control and insulation values are critical

**Robertson**  
Robertson Building Systems

# MESA & LIGHT MESA

MATERIAL SPECIFICATIONS				
EXTERIOR PROFILE	Mesa nominal 1/8" deep; Light Mesa nominal 1/16" deep. Light Mesa not available for 5" or 6" panels.			
INTERIOR PROFILE	Mesa nominal 1/8" deep; Light Mesa nominal 1/16" deep.			
FOAM CORE	Foamed-in-place, Non-CFC & zero ODP polyurethane, Factory Mutual Class 1 approval.			
THERMAL VALUE	R VALUE WITH AIR FILM		75° Mean	40° Mean
		2" PANEL	15.14	17.03
		2-1/2" PANEL	18.71	21.29
		2-3/4" PANEL	20.49	23.42
		3" PANEL	22.27	25.55
		4" PANEL	29.42	34.06
		5" PANEL	36.56	42.58
	6" PANEL	43.71	51.09	
	1. R-Values include the air films on each side of the panel. 2. 75° Mean based on ASTM C518 Thermal Testing. 40° Mean based on ASTM C1363 Thermal Testing (Values for C1363 based on 4" panel testing). All values for other thicknesses extrapolated.			
MODULE WIDTH	36" & 42"; Ceiling and Partition Panel only: 44-1/2"			
PANEL THICKNESS	CF Mesa: 2", 2-1/2", 2-3/4", 3", 4", 5" & 6" CF Light Mesa: 2", 2-1/2", 2-3/4"* , 3" & 4" *Nevada plant only			
PANEL LENGTHS	Standard 8'-0" to 53'-0"			
EXTERIOR FACINGS	Stucco embossed, G-90 galvanized and/or AZ-50 aluminum-zinc coated steel in 26 Ga., 24 Ga. and 22 Ga.			
INTERIOR FACINGS	Stucco embossed, G-90 galvanized and/or AZ-50 aluminum-zinc coated steel in 26 Ga., 24 Ga. and 22 Ga.			
EXTERIOR FINISHES & COLORS	Siliconized Polyester, Fluoropon® Full-Strength 70% PVDF Fluoropolymer Coating.			
	Note: 1. Dark colors are not recommended for exterior color on cooler and freezer buildings. 2. Prices may vary by color, gauge and quantity of metal.			
INTERIOR FINISHES & COLORS	USDA-compliant Polyester, Igloo White. USDA-compliant PVC Plastisol, Polar White* *PVC Plastisol Polar White is a different color & shade than Polar White in other available finishes.			
PANEL JOINT	Offset double tongue-and-groove with extended metal shelf for positive face fastening. Partition Panel: Offset double tongue-and-groove.			
FASTENING	Fastener & Clip concealed in the side joint. Partition Panel: Through-fastened at the top and bottom of the panel.			
FM Approved Class 1 with no height restrictions.				

Robertson Building Systems reserves the right to discontinue products at any time or change specifications and/or designs without incurring obligation. For current product information, inquire or visit RobertsonBuildings.com. Application details are for illustration purposes only and may not be appropriate for all conditions, building designs or panel profiles. If there is a conflict between the preceding and project erection drawings, the erection drawings will take precedence.

TESTS AND CERTIFICATIONS			
		Standard	Standard / Test Description
US Certifications	Fire Performance	FM Approval Standard 4880	Class 1 Fire Rating of Insulated Wall, Ceiling and Roof Panels
		NFPA 259	Test Method for Potential Heat of Building Materials
		NFPA 285	Evaluation of Fire Propagation Characteristics of Exterior Non-Load-Bearing Wall Assemblies
		NFPA 286	Fire Tests for Evaluating Contribution of Wall and Ceiling Finish to Roof Fire Growth
		ASTM E84	Surface Burning Characteristics of Building Material
		Structural Performance	FM Approval Standard 4881
	ASTM E72		Strength Tests of Panels for Building Construction
	ASTM E330		Structural Performance of Exterior Curtain Walls by Uniform Static Air Pressure Differences
	Vapor Barrier Performance	ASTM E283	Rate of Air Leakage Through Curtain Walls Under Specified Pressure Differences
		ASTM E331	Water Penetration of Exterior Walls by Uniform Static Air Pressure Differences
	Thermal Performance	ASTM C518	Steady-State Thermal Transmission Properties by Means of the Heat Flow Meter Apparatus
		ASTM C1363	Thermal Performance of Building Materials and Envelope Assemblies by Means of a Hot Box Apparatus
	Special Approvals	City of Los Angeles	Product Approval for City/County of Los Angeles
		Miami-Dade Wall	Miami-Dade County Product Control Approved (Note: WACC Vertical Installation Only) NOA No. 13-0212.06, Expiration Date: 03/06/2018
	Canadian Certifications	Fire Performance	CAN/ULC S101
CAN/ULC S102			Surface Burning Characteristics of Building Materials and Assemblies
CAN/ULC S138			Fire Growth of Insulated Building Panels in a Full-Scale Room Configuration

Load span tables and notes are available at RobertsonBuildings.com



Corporate Office | 1343 Sandhill Dr., Ancaster, ON L9G 4V5  
| 800-387-5335, 905-304-1111, f 905-304-2420

Western Office | 11318-163 St. NW, Edmonton, AB T5M 1Y6  
| 780-485-3055, f 780-461-7785

RobertsonBuildings.com

ROB-MESA-1014